

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

Van Der Zon, et al.

Serial No.: 10/731,917

Filing Date: December 10, 2003

For: PROCESS FOR THE PREPARATION OF
CATALYST MICROSPHERES

: Docket: ACH2979 US

: Examiner:

: Group Art Unit:

CERTIFICATE OF MAILING

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Commissioner for Patents, PO Box 1450,
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on

March 5, 2004

Vickie Purcell
Vickie Purcell

Commissioner of Patents
P.O. Box 1450
Alexandria, VA 22313-1450

TRANSMITTAL LETTER

Sir:

☒ Transmitted herewith is a responsive document(s) for this application.

TRANSMITTAL LETTER IN DUPLICATE; INFORMATION DISCLOSURE

STATEMENT; PTO-1449 FORM; 18 REFERENCES; CERTIFICATE OF MAILING and
POSTCARD.

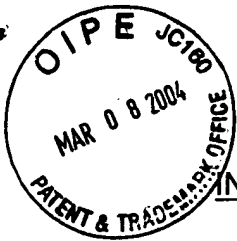
The total fee believed due is \$ 00.00 . Please charge this amount and any other fees which may be due (including filing fees under 37 CFR 1.16 and processing fees under 37 CFR 1.17) to Deposit Account No. 01-1350. If an extension of time is required but has not been requested above, Applicant hereby petitions for an extension of time sufficient for the attached document(s) to be timely. A duplicate copy of this sheet is enclosed.

Respectfully submitted,

Richard P. Fennelly

Richard P. Fennelly
Attorney for Applicants
Reg. No. 25,677

Akzo Nobel Inc.
Intellectual Property Department
7 Livingstone Avenue
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INFORMATION DISCLOSURE STATEMENT

Sir:

In accordance with the requirements of 37 CFR §1.56, applicants submit the documents attached hereto to be made of record in the above-identified case. A listing of said documents on form PTO-1449 is also attached.

The present Information Disclosure Statement is being filed within three months of the filing date; therefore, no filing fee is believed to be required. If a filing fee is required, the Commissioner is hereby authorized to charge applicants' deposit account 01-1350 for the full amount of said fee.

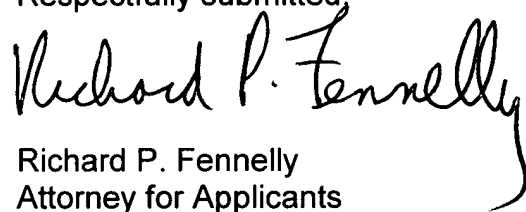
German Patent No. 239 530 relates to the preparation of alumina particles of 2.5 to 4.0 mm by granulating pre-peptised alumina, i.e. only one dry material, in a fluid bed granulator. As the present invention relates to the preparation of smaller particles (20-2000 microns) from at least two dry catalyst ingredients. Please note an English abstract is enclosed.

Japanese Patent Application Number 57045344 is not in the English language, however, a Derwent abstract is enclosed.

This statement is not intended to represent that no better art exists. Applicants reserve the right to contest the applicability of the documents attached hereto as prior art in the event that any information is discovered which demonstrates that said documents do not qualify as prior art.

Consideration of the present Information Disclosure Statement is respectfully requested. The claimed invention is, however, deemed to represent a patentable departure from the teachings of the prior art.

Respectfully submitted,

A handwritten signature in black ink, reading "Richard P. Fennelly". The signature is fluid and cursive, with the first name "Richard" and last name "Fennelly" clearly legible. The middle initial "P." is smaller and less distinct. The signature is written over the typed name and title.

Richard P. Fennelly
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INFORMATION DISCLOSURE CITATION
 (Use several sheets if necessary)

PTO-1449 (modified)

Atty. Docket #

ACH2979 US

Serial No.

10/731,917

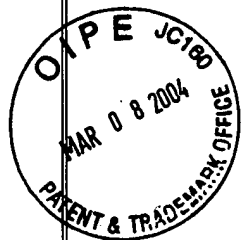
Applicant

VAN DER ZON,, et al.

Filing Date

December 10, 2003

Group Art Unit

**U.S. PATENT DOCUMENTS**

Init	Document No.	Issue Date	Name	Class	Subclass	Filing Date

FOREIGN PATENT DOCUMENTS

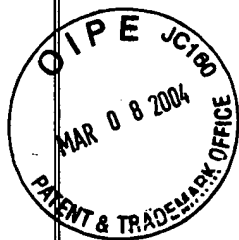
	Document No.	Publ. Date	Country	Class	Subclass	Translation	
						Yes	No

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)

✓	T. Zhou and H. Li, Powder Technology 111, "Force Balance Modelling for Agglomerating Fluidization of Cohesive Particles", pgs. 60-65 (2000)
✓	S. Watano et al., Chem. Pharm. Bull. 44, "Modeling of Agitation Fluidized Bed Granulation by Random Coalescence Model", pgs. 1357-1360 (1996)
✓	H. Tsujimoto et al., Powder Technology 113, "Monitoring Particle Fluidization in Fluidized Bed Granulator With an Acoustic Emission Sensor", pgs. 88-96 (2000)
✓	European Search Report of Priority Application No. EP 02080617, dated March 7, 2003

EXAMINER**DATE CONSIDERED**

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.



INFORMATION DISCLOSURE CITATION
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U.S. PATENT DOCUMENTS

Init	Document No.	Issue Date	Name	Class	Subclass	Filing Date
	2,686,161	08/10/1954	Stewart	252	448	06/28/1950
	3,515,684	06/02/1970	McEnvoy	252	455	02/17/1969
	4,946,654	08/07/1990	Uhlemann et al.	422	140	07/26/1988
	5,001,096	03/19/1991	Chu et al.	502	65	04/07/1989
	5,100,853	03/31/1992	Thome et al.	502	64	06/15/1990
	5,286,370	02/15/1994	Chu et al.	208	120	12/17/1991
	5,413,978	05/09/1995	Kramer	502	80	11/30/1993

FOREIGN PATENT DOCUMENTS

	Document No.	Publ. Date	Country	Class	Subclass	Translation	
						Yes	No
✓	0670179	09/06/1995	Europe	B01J	20/06		
✓	239530	10/01/1986	Germany	B01J	2/16		
✓	2174951	10/20/2001	Russia	C01B	39/20	X	

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)

✓	Derwent Abstract of German Patent No. 239530, dated October 1, 1986
✓	Derwent Abstract of Japanese Patent No. 57045344 (1981)
✓	C.Y. Yu et al., Drying Technology 17, "Study of Fluidized-Bed Spray Granulation", pgs. 1893-1904 (1999)
✓	H, Kage et al., Korean J. Chem. Eng. 16, "Powder Coating Efficiency of Small Particles and Their Agglomeration in Circulating Fluidized Bed", pgs. 630-634 (1999)

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